

To: Koglin, Eric[Koglin.Eric@epa.gov]
From: Garrahan, Kevin
Sent: Thur 8/13/2015 10:07:26 PM
Subject: Fw: Bullets for Daily Management Report

FYI. Sorry I forgot to copy you.

Kevin

From: Garrahan, Kevin on behalf of EOC ORD
Sent: Wednesday, August 12, 2015 7:18 PM
To: EOC Planning
Cc: Koglin, Eric; taft.sarah@epa; sayles.gregory@e; EOC Environmental Unit_SG; Kavlock, Robert
Subject: Re: Bullets for Daily Management Report

Here are my bullets for ORD.

Kevin

- **Regional Risk-based Screening Levels.** ORD staff (NHSRC and NCEA) reviewed the draft Risk-based Screening Levels that were developed by Regional risk assessors. ORD reviewers concluded that the proposed screening levels were reasonable and conservative (protective). It was also suggested that the levels might want to address the issue of dermal exposure although it is expected that based on risk assessments at other Superfund sites, dermal exposure from metals would not be a driver for human health risks.
- **Modeling of Contaminant Fate and Transport.** ORD (NERL Athens) has offered to conduct a modeling study of the Animas River that would predict the fate, transport, and exposure to key contaminants released from the Gold King Mine site. The proposed study would utilize the WASP model to predict contaminant concentrations in water and sediments and the BASS model to estimate contaminant concentrations in game fish. The study team has also developed several hypotheses that would be tested during the modeling study. These hypotheses include the following: (1) contaminants are more likely to bind to clay particles, (2) travel distance of the contaminants will depend upon the volume of clay, (3) clay is likely to remain in suspension in the main river for some distance, (4) the contaminant release will probably be pH driven, (5) contaminants will settle onto the surface of the streambed, (6) there might be secondary (flow-driven) contaminant releases from the re-suspension of clay sediments, and (7) water supply wells in shallow alluvium adjacent to the river could draw river water (and possibly contaminants) into the wells.

- **Additional Lab Capacity.** ORD is looking into the additional options for obtaining extra laboratory analytical capacity should the need arise. ORD has been checking with NERL, NHEERL, and NRMRL to determine what level of onsite and contractor sample analysis capacity we have in the event that the Regions exceed their current capability. Our understanding is that all the Regions with lab capabilities have already been put on notice in case backup is needed.
- **Field Analyses.** Region 6 – Sam Coleman, has communicated to Bob Kavlock and me about the needs that the region has for analyzing soil, sediment, and water samples in the field. We have provided Sam with a one-pager that simply identifies the current state of the technology with links to more information about the various technologies provided. Staff in Duluth and Cincinnati have provided input.
- **Imagery.** ORD staff are ready to access their colleagues at USGS and NASA to gather additional aerial imagery. The ASPECT plane has been providing information but we have access to other sources should the need arise.
- **Review of Analytical Data.** ORD staff is assisting the Environment Unit in reviewing data from the site.

From: Oh, Peter on behalf of EOC Planning
Sent: Wednesday, August 12, 2015 4:06 PM
To: OSWER OEM EOC Positions
Cc: EOC ORD; EOC FOIA
Subject: Bullets for Daily Management Report

Hello EOC Positions,

Just a reminder that we're looking for daily management report bullets for your desk by 3 PM ET. Since this is the first report of the incident, please include activities for yesterday as well and indicate the appropriate date. Thanks.

Pete Oh

Planning Section Chief